

Summary of DAT Conference Call, 4/7/2009

Participants: SGreene(DWR), TBoardman(SLDMWA), JWhite(DFG), JSnow(WWD), JSpeegle(FWS), GAasen(DFG), EGleason(DFG), NHindman(FWS), LBartoo(FWS), RSitts(MWD), SKong(CCWD), LKimm(KCWA), LTran(DWR), AChu(DWR)

Highlights and Recommendations

The OMR flow objective was increased (or decreased, depending on how you look at it) to -4,000 cfs starting this week to protect newly spawned delta smelt. Water temperatures in the Delta are appropriate for delta smelt spawning this time of year.

Next DAT Conference Call Tuesday, 4/14/2009, 9:00 am - 11:00 pm. 916/657-4111.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam –

Older juvenile length passage averaged 47/day for the past week.

Young of the year passage averaged 1,285/day.

Steelhead passage averaged 9/day.

Red Bluff flow averaged about 5,232 cfs. The water is clear.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php

Mill Creek – The trap was not in operation last week; the live-car is being repaired. Flows were stable around 250 cfs.

Deer Creek – DFG caught 31 young of the year Chinook, but no yearling spring run. Flows were stable around 250 cfs.

Butte Creek – no report

GCID –

Knights Landing – DFG caught 20 young of the year Chinook per 1-trap week. No older juvenile Chinook, steelhead or ad-clipped salmonids. Flow decreased from 7,700 cfs to 6,700 cfs.

Delta Monitoring –

Lower Sacramento Seine - 1 sample day, 5 samples, 18 young of the year. No other species of concern.

Sacramento Midwater Trawl - 3 sample days, 99 samples, 10 young of the year Chinook, 36 ad-clipped Chinook, and 1 ad-clipped steelhead.

North Delta Seine - 1 sample day, 9 samples, 52 young of the year Chinook, and 1 ad-clipped Chinook.

Central Delta Seine - 1 sample day, 8 samples, 5 young of the year Chinook, and 3 adult delta smelt at Sandy Beach and Sherman Island.

South Delta Seine - 1 sample day, 4 samples, no species of concern.

San Joaquin Seine - 1 sample day, 3 samples, No species of concern.

Mossdale Kodiak Trawl - 4 sample days, 30 samples, 40 young of the year CHinook.

Chippis Island Midwater Trawl - 3 sample days, 39 samples, 2 older juvenile Chinook, 2 young of the year Chinook, 1 ad-clipped Chinook, 1 splittail, 7 longfin smelt.

Bay West Seine, 1 day, 4 samples, No species of concern.

Bay East Seine, not sampled.

Smelt Monitoring

20 mm Survey #2 was completed. Samples are being processed. All three tows have been processed at 20 stations, and at least 1 tow has been processed at 38 stations. So far, 889 longfin smelt were caught at 27 stations. The average length was 12mm. One adult delta smelt was caught at station 719, the Deep Water Ship

Channel.

20mm Survey #3 started this week.

http://www.delta.dfg.ca.gov/data/20mm/CPUE_map.asp?syear=2009

Spring Kodiak Survey #4 is scheduled to start Apr 13th.

http://www.delta.dfg.ca.gov/data/sls/CPUE_map.asp

Salvage Facilities

Chinook – There was no non-clipped winter run length loss at either facility. Season non-clipped winter run length loss is 1,440 and Livingston Stone hatchery winter run loss is 5.

Steelhead – Non-clipped steelhead salvage was 14 at the CVP and 8 at the SWP. Ad-clipped salvage was 20 at the CVP and 16 at the SWP. Season total salvage is non-clipped 300 and 927 ad-clipped .

Delta smelt – No delta smelt this week. The season total salvage of adult delta smelt is 24. Larval sampling is occurring at the SWP and CVP, but none found.

Splittail – Salvage was 152 at the SWP and 12 at the CVP last week. The season total is 607.

Longfin smelt – 4 adult longfin smelt were salvaged at the CVP and none at the SWP. The season total is 36. No larval longfin smelt were salvaged at either facility.

Green Sturgeon – None this season.

White Sturgeon – None this season.

The DFG Salvage Database can be accessed at this ftp site. <ftp://ftp.delta.dfg.ca.gov/salvage/>.

VAMP

Projected – combined exports will be 1,500 starting 5/20. There will be no VAMP flows according to the VAMP agreement.

Operations

SWP -

CCFB – 1,130 cfs

Oroville – 3,000 cfs

X2 = 73.2 km

E/I – 14-day 20.9%

San Luis - ~606 taf, capacity is 1.062 taf
Delta is in balanced conditions

CVP -

Jones PP – 900 cfs
DCC - closed
Trinity – 300 cfs
Clear Creek – 200 cfs
Keswick – 4,500 cfs, increasing to 5,500 cfs
Wednesday
Nimbus – 3,250 cfs
Goodwin – 700 cfs
San Luis – 413 taf. Capacity is 966 taf

Flows

Sacramento River at Freeport ~ 12,000 cfs
San Joaquin River at Vernalis ~ 1,100 cfs
Delta Outflow ~ 10,300 cfs, 3-day average ~ 8,900 cfs.
OMR 14-day average -3,158 cfs, 5-day average is -2,733 cfs.

Delta Water Quality

Temperature monitoring – Antioch = 15.2, Rio Vista = 15.4 C, and Mossdale = 17.6 C. The three station average = 16.1 C.

Turbidity not applicable any longer because water temp is controlling, but

The three-day average turbidity at the three stations are:
Prisoner's Point 8.64 NTU, Holland Cut 11.31 NTU, Victoria Canal 5.9 NTU.

April Water Quality Standards –

Habitat Protection - Meeting Chipps Island objectives for the entire month of April (projected).

Vernalis Base Flow (projected) - Minimum monthly average flow => 1,140 cfs, 7-day average => 912 cfs

Delta Cross Channel – Closed

E/I Ratio – 35%

Contra Costa Canal – CI <= 250 mg/L. In addition, CI <= 150

mg/L for 155 days per calendar year based on Critical Year Classification.

Western/Interior Delta - Maximum 14-day average
EC mS/cm: 2.78 @ Emmaton, 2.20 @ Jersey Point, 0.54 @ Terminous, 0.87 @ San Andreas.

South Delta – 30-day average EC \leq 0.7 mS/cm.

San Joaquin River Salinity - 14-day average \leq 0.44 mS/cm (does not apply for Critical year)

Western Suisun Marsh - \leq 14.0 mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at
<http://www.woco.water.ca.gov/calfedops/datsummaries.html>.